

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. – 126. (Cancelled)

127. (Currently Amended) A method for delivering a functional moiety to a trkB receptor in the [[a]] heart microvasculature in a mammal, the method comprising administering a conjugate, said conjugate comprising a peptide comprising the amino acid sequence identified in of SEQ ID NO: 4 and said functional moiety, ~~wherein said peptide preferentially homes to trkB receptor(s) of the microvasculature of the heart.~~

128.-162. (Cancelled)

163. (Previously Presented) A method according to claim 127, wherein said functional moiety is a therapeutic agent.

164. (Previously Presented) A method according to claim 163, wherein said therapeutic agent is estrogen.

165. (Previously Presented) A method according to claim 127, wherein said functional moiety is a detectable marker.